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## PATENTE DE INVENCION

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⑤ Título: Dispositivo de encofrado.

⑥ Resumen:

Dispositivo de encofrado, de utilidad para la configuración de estructuras poligonales y circulares, conformándose las circulares por lamas y semiaros y estando dotadas las lamas, de parejas de pletinas conformadas por dos tramos paralelos, fijas a la lama por una de ellas y estando dichos tramos de las pletinas lo más alejados entre sí, en tanto que en los semiaros de perfil en T se insertan las lamas por medio de sus pares de pletinas, quedando fijados los semiaros entre sí por uno de sus extremos a través de una pletina en U fija a un semiaro y en la cual se introduce el extremo del otro semiaro dotado de un orificio que quedará en correspondencia con un orificio de la pletina en U realizado en sus alas, y por el otro extremo se fijan por un cierre de presión situado en un semiaro.

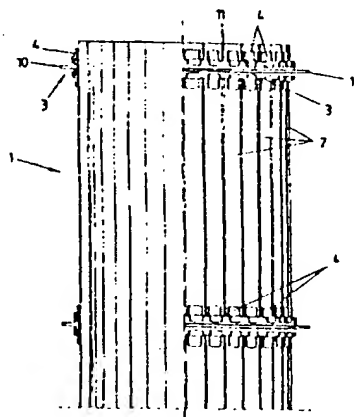


FIG. 1

# UNITED STATES PATENT OFFICE.

DANIEL JAMES BROPHY, OF MONTREAL, QUEBEC, CANADA.

## CLAMPING DEVICE FOR MOLDS.

1,395,553.

Specification of Letters Patent.

Patented Nov. 1, 1921.

Application filed December 27, 1920. Serial No. 433,245.

*To all whom it may concern:*

Be it known that I, DANIEL JAMES BROPHY, a citizen of the United States of America, residing at Montreal, Province of Quebec, Canada, have invented certain new and useful Improvements in Clamping Devices for Molds; and I do hereby declare that the following is a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The present invention relates to new and useful improvements in clamping devices for molds and the like.

The primary object of the invention is the provision of a clamping device for molds or the like, which will engage the various mold sections and hold them in the desired position while the material is being prepared therein and until said material hardens.

Another object of the invention is the provision of a mold clamping device including a plurality of corner members which are adjustable to conform to molds of various shapes.

Another object of the invention is the provision of a mold including a plurality of corner members and means connecting the same whereby a continuous stress can be exerted on said corner members for retaining them tightly in the desired position.

Still another object of the invention is the provision of a mold clamping device including a plurality of adjustable corner members which can be set prior to their use to conform to the various and desired shapes of the molds being used.

A further object of the invention is the provision of a mold clamping device so constructed that the same can be adjusted prior to its use and when drawn to its tightened position will draw the mold to its proper shape so that the sides of the article being molded will be of uniform size and true throughout their lengths and widths.

A still further object of the invention is the provision of a mold clamping device, which will be comparatively simple and inexpensive to manufacture, reliable and efficient in use, and readily operated.

With the above and other objects in view, the present invention resides in the novel

features of construction, formations, combinations and arrangements of parts to be hereinafter more fully described, claimed and illustrated in the accompanying drawings in which:—

Figure 1 is a horizontal sectional view taken through a mold of the usual construction to which my improved clamping device is applied;

Fig. 2 is a plan view of one of the supplemental corner members;

Fig. 3 is a horizontal sectional view thereof showing the sections adjusted to conform to a mold of hexagonal shape;

Fig. 4 is a similar view showing the sections adjusted to conform to a mold of octagonal shape;

Fig. 5 is an edge view of one of the supplemental corner members;

Fig. 6 is a detail perspective view of one of the adjustable sections of one of the supplemental corner members;

Fig. 7 is a horizontal sectional view taken through the main corner member showing the sections thereof adjusted to conform to a mold of hexagonal shape;

Fig. 8 is a similar view showing the same adjusted to conform to a mold of rectangular shape;

Fig. 9 is a similar view showing the same adjusted to conform to a mold of octagonal shape, and also showing the same for tightening the connecting chain;

Fig. 10 is a detail perspective view of one of the adjustable sections of the main corner member;

Fig. 11 is a transverse sectional view taken on the line 11—11 of Fig. 9;

Fig. 12 is a horizontal sectional view taken on the line 12—12 of Fig. 13; and,

Fig. 13 is a transverse sectional view taken through the drum.

Fig. 14 is a horizontal sectional view of a circular mold showing the invention applied; and

Fig. 15 is a perspective view of a mold showing the invention applied thereto.

Referring now to the accompanying drawings by corresponding characters of reference throughout the several views, the numeral 15 designates in general a mold which comprises a plurality of side sections 16, 17